# GRAND MULTI VIEW PRO

**USB to VGA/ HDMI Monitor**

## User's Manual

**ISSUE: 2010/03/22**

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# 1. Package Contents

This package contains the following items:

- Multi View Pro
- USB Cable
- Driver CD (Driver & User Manual)

# 2. Introduction

The Grand Multi View Pro enables you to add an additional monitor to your desktop or laptop through USB 2.0 without VGA card. With the unit, you can extend your display across two monitors, you can surf website on one monitor and word processing on the other. Easily connect up to 6 monitors to one PC through USB 2.0.

What's more, the Grand Multi View Pro supports VGA and HDMI outputs simultaneously, and the resolution supports up to 1920 x1080.

The Grand Multi View Pro can be used for education (synchronous teaching-learning), and also can be used by art designer, architect or engineer (use second display for pallets or tools). The Grand Multi View Pro is designed to enhance work efficiency with fewer errors.

# 3. System Requirements

- Operating System:
  - Microsoft Windows 7 (32bit or 64bit)/ Vista (32bit or 64bit)/ XP (32bit).
  - Mac OS X Tiger 10.4.11/ Mac OS X Leopard 10.5.5 or above
- Processor: Intel Pentium Dual Core 1.8 GHz or above
- 1GB RAM or above
- Available USB 2.0 port
- 30Mb of available disk space

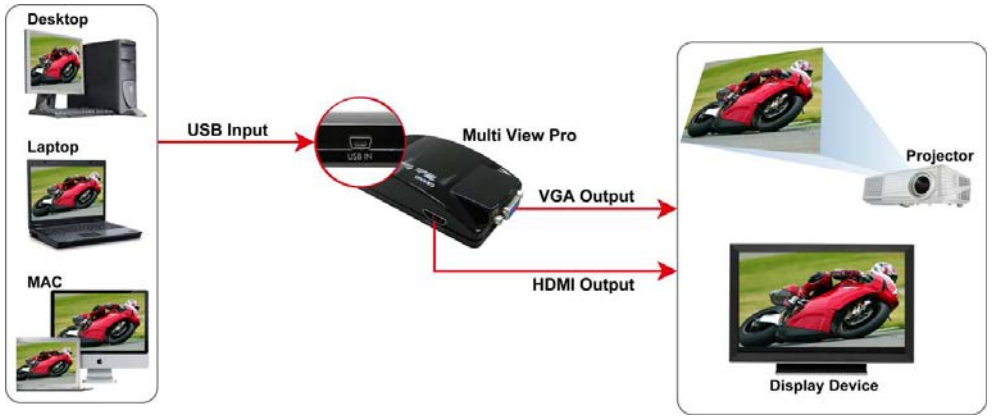
**NOTE:** When connecting more Multi View Pro to a computer, a system with higher CPU performance is recommend.



# 4. Product Features

- Compatible with **Windows 7 (32bit & 64bit), Vista (32bit & 64bit)** and **XP (32bit).**
- **Completely new architecture to support Vista Aero (32bit).**
- Compatible with **Mac OS X Tiger 10.4.11/ Mac OS X Leopard 10.5.5** or above.
- Easily connect monitors to one PC through USB 2.0.
  - Windows OS: Up to 6 monitors.
  - Mac OS: Up to 4 monitors.
- Supports VGA and HDMI outputs simultaneously.
- Supports resolution up to 1920 x1080.
- No external power supply needed (power is supplied from the PC through USB connection).
- Dimensions: 100(L) x 55(W) x 33(H) mm.
- Bundled Software:
  - Supports Distinct, Extended and Mirror Modes
  - Supports screen resolution and color quality adjustment in extended mode.
  - Allows you to rotate the screen on the add-on monitor by 90, 180 or 270 degrees
  - Supports online update automatically.
  - The software has been awarded Microsoft Windows Certification.

# 5. Hardware Overview

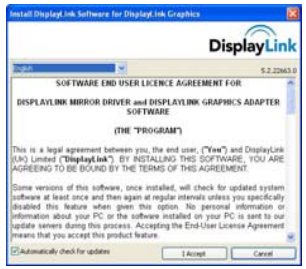


# 6. Installation

## 6.1 Install the Driver on Windows

**Step 1:** Insert the provided driver CD into your CD-ROM driver. Execute the **Setup.exe** file. <Driver> → <Windows>

**Step 2:** A dialog box should pop up to prompt you to choose desired installing language. After choosing your language, click on **I Accept** to start installation automatically.

| | | |
|---|---|---|
|  | | |
| **Install on Windows XP** | **Install on Windows Vista** | **Install on Windows 7** |

**Step 3:** After finishing the installation, a dialog box should pop up to inform you to restart your PC for the installation to completed and usable.

## 6.2 Install the Driver on MAC OS

**Step 1:** Insert the provided driver CD into your CD-ROM driver. Mount the **Multi View Installer 1.1.dmg** file. <Driver> → <MAC OS>

**Step 2:** Double click the **DisplayLink Software Installer** icon to run the installer.

**Step 3:** Click through the standard Mac Installer, accepting the EULA and allowing the system to reboot.

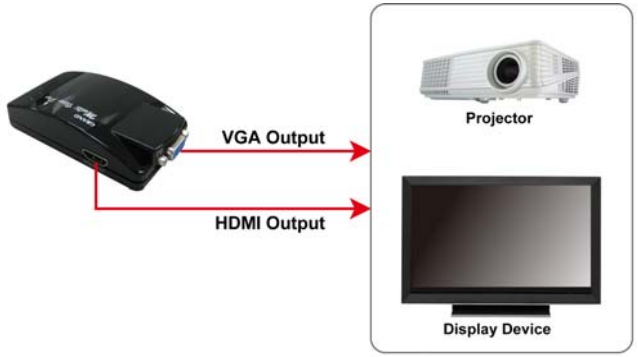
**NOTE:** Mac OS X support can be found at http://www.displaylink.com/mac/



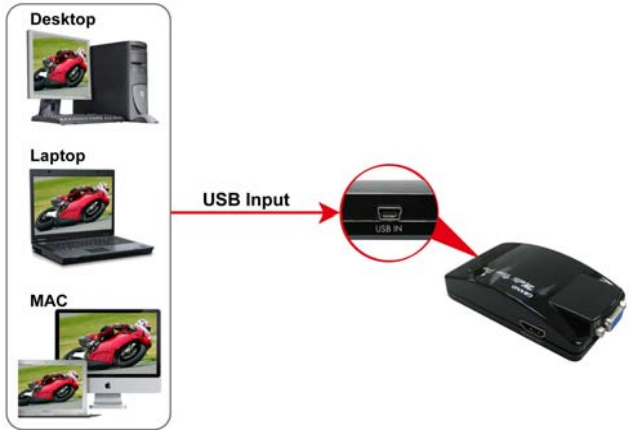
## 6.3 Hardware Installation

After finishing the software installation, please follow the steps below to complete the hardware installation.

**Step 1:** Use the VGA or HDMI cable to connect your display device such as projector or display device that supports VGA or HDMI input.




**Step 2:** Connect the Multi View Pro to an USB 2.0 port of your computer by using the provided USB cable.

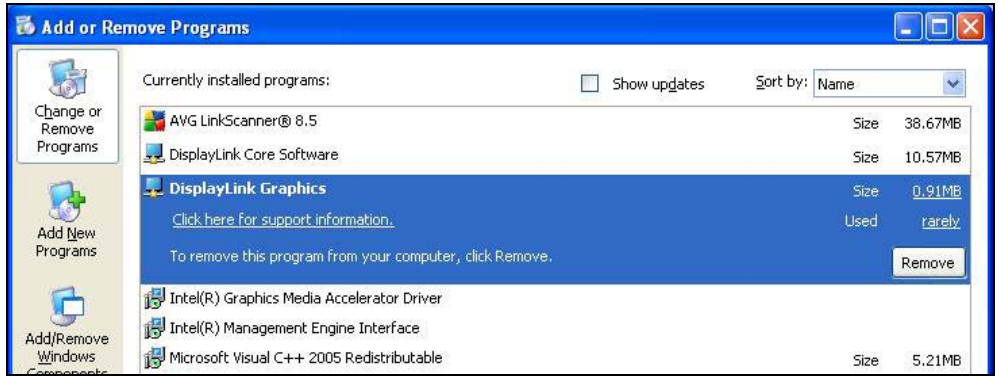


# 7. Uninstall

## 7.1 Uninstall the Driver on Windows XP

**Step 1:** Open the Control Panel: **Start** → **Control Panel** → **Add or Remove Programs.**

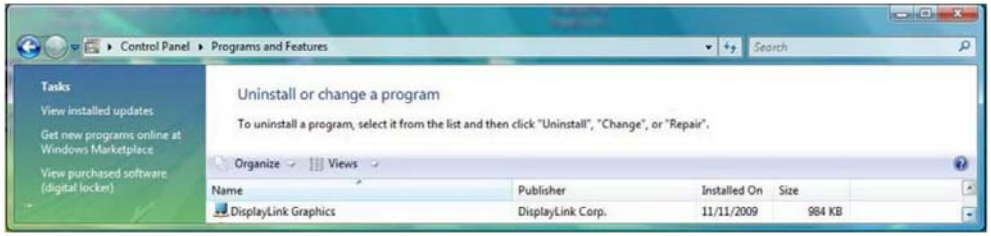
**Step 2:** Select the **DisplayLink Graphics** and click **Remove** to uninstall.




## 7.2 Uninstall the Driver on Windows Vista

**Step 1:** Open the Control Panel: **Start** → **Control Panel** → **Programs and Features.**

**Step 2:** Select the **DisplayLink Graphics** and click on **Uninstall.**

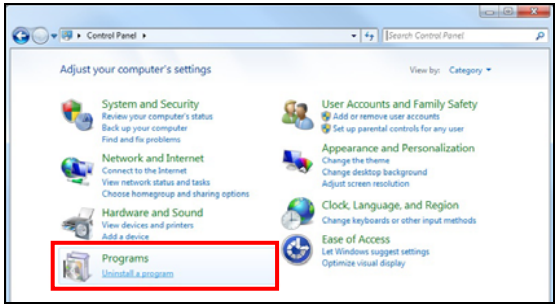



**Step 3:** Click **Yes** to uninstall it.

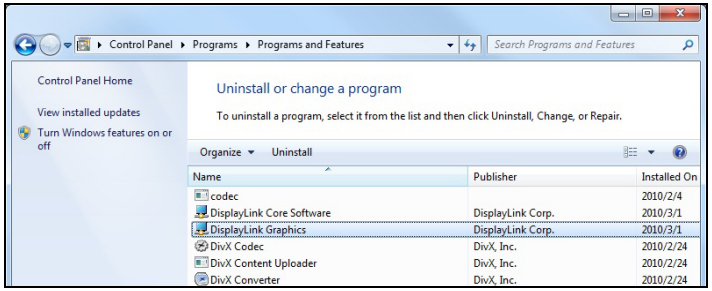


## 7.3 Uninstall the Driver on Windows 7

**Step 1:** Open the Control Panel: **Start** → **Control Panel** → **Programs**




**Step 2:** Double click on the **DisplayLink Graphics**, then a windows confirmation dialog will open.

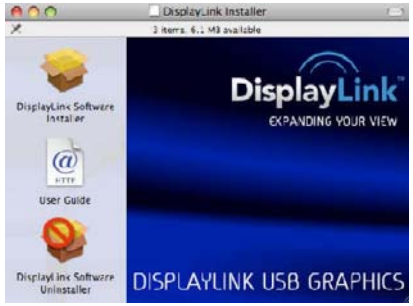



**Step 3:** Click **Yes** to uninstall it.

## 7.4 Uninstall the Driver on MAC OS

**Step 1:** Mount the **Multi View Installer 1.1.dmg** file on the provided CD.

**Step 2:** Click **DisplayLink Software Uninstaller.**




**Step 3:** Click through standard Mac uninstaller.

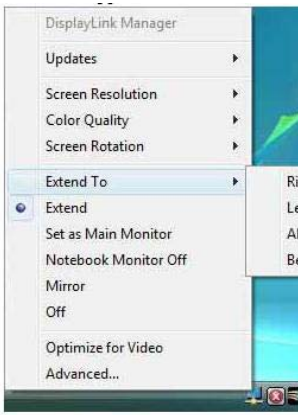
**Step 4:** After reboot, the USB Video driver will have been removed.

# 8. Using the Multi View Pro

## 8.1 Windows XP & Vista

### 8.1.1 Using the Multi View Pro DisplayLink Manager

When devices are attached, an icon appears in the task bar. Right-clicking the icon will bring out the DisplayLink manager menu.

| | |
|---|---|
| |  |
| **Windows XP** | **Windows Vista** |

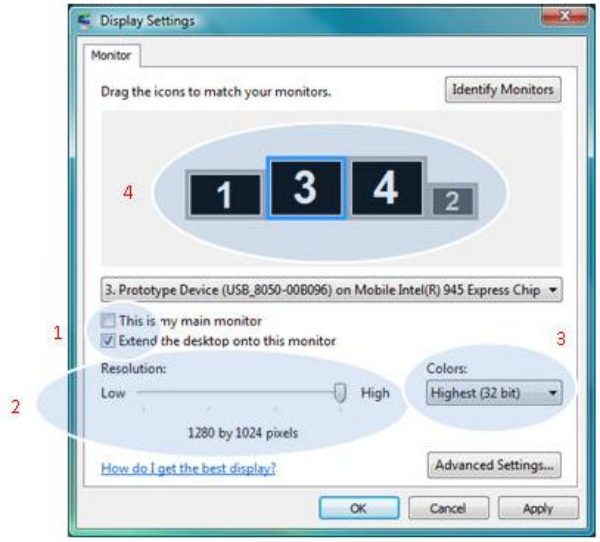


■ Select an option from the menu, using the following table for the options available.

| Menu Option | Sub-menu Option | Description |
|---|---|---|
| Updates | Check Now | Connects to the Update Server to check for newer driver versions and downloads them, if available. |
| | Configure | Opens the Update Options window where you can configure automatic updates. |
| Screen Resolution | | Displays a list of available resolutions. |
| Color Quality | Medium (16-bit) | Changes the color depth of the extending display to 16bit. |
| | Highest (32-bit) | Changes the color depth of the extending display to 32bit. |
| Screen Rotation | Normal | No rotation is applied to the DisplayLink display. |
| | Rotated Left | Rotates the extended or mirrored display by 270 degrees. |
| | Rotated Right | Rotates the extended or mirrored display by 90 degrees. |
| | Upside-Down | Rotates the extended or mirrored display by 180 degrees. |
| Extend To | Right | Extends the display to the right of the main display |
| | Left | Extends the display to the left of the main display. |
| | Above | Extends the display above of the main display. |
| | Below | Extends the display below the main display. |
| Extend | | Extends your desktop onto the secondary display. |
| Set as Main Monitor | | Sets the secondary display as the main display. |
| Notebook Monitor Off | | Switches off the display of an attached notebook and makes the DisplayLink display primary. |
| Mirror | | Copies what is on the main display and reproduces it on the secondary display. |
| Off | | Switches off the secondary display. |
| Optimize for Video (Windows Vista & 7 Only) | | Configures the secondary display for optimum full screen video performance output. (Note: Text may appear less clear when enabled) |
| Advanced | | Opens the Display Settings window. |

### 8.1.2 Windows Display Properties

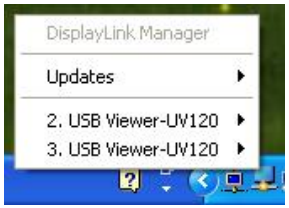
You can also adjust the resolution, color quality, position and refresh rate from the **Windows Display Properties** dialog box. Select the **Advanced** item from the DisplayLink manager menu to open the Display Settings window.




1. **Extend/ Mirror Function:** Check or uncheck the **Extend the desktop onto this monitor** checkbox to set the Extend or Mirror mode.
2. **Resolution:** Set the screen resolution using the resolution slide bar.
3. **Colors:** Select the color quality from the colors drop-down list.
4. **Position:** Arrange its position with respect to the other monitors on the extended desktop in using the drag area.

### 8.1.3 Using More Multi View Pro

It doesn't need to install driver again as long as you has completed above process of driver installation in advance. All the Multi View Pro will list in the **Display Properties** or the display manager menu.




**NOTE:** When connecting more Multi View Pro to a computer, a system with higher CPU performance is recommend.

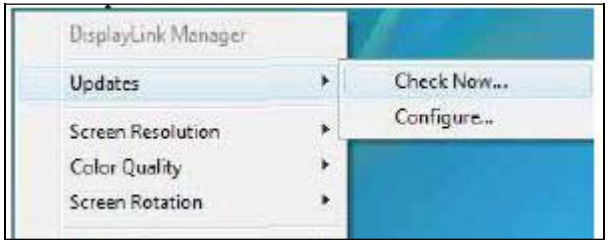


### 8.1.4 Firmware Update

■ **Manually Update**

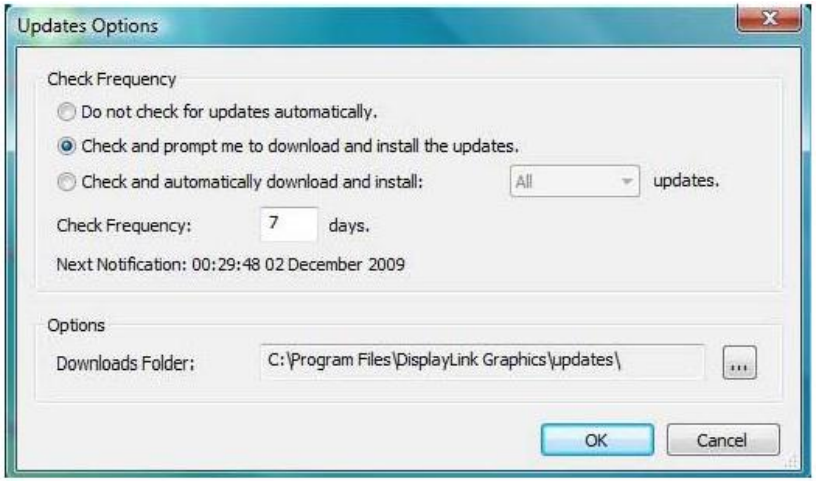
Click the **Updates** → **Check Now…**, and it will check and download the latest firmware immediately..

**NOTE:** Confirm that your computer is already connected to the network.




■ **Configuring Updates**

Click the **Updates** → **Configure…** , the **Updates Options** window will appear as shown below. You can set the update method and frequency in the windows.



## 8.2 Windows 7

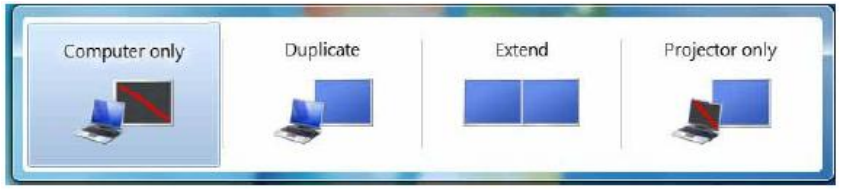
### 8.2.1 Windows Display Properties (WDP)

On Windows 7, you can configure the Multi View Pro from the Windows Display Properties (WDP). WDP provides a simple method to attach, rotate, duplicate or extend screens as well as modify screen resolution.

- **To open WDP:** Right-click on the desktop, then select **Screen Resolution** to open the WDP.
- Set the display options. Refer to the table below for details on each option.

| Menu | Sub-menu | Description |
|---|---|---|
| Display | | Use the drop down list to select a display to be configured. |
| Resolution | | Use the drop down list and use the slider to choose a resolution. |
| Orientation | Landscape | Sets the display to landscape view. |
| | Portrait | Sets the display to portrait mode. |
| | Landscape (flipped) | Sets the display to upside down landscape mode. |
| | Portrait (flipped) | Sets the display to upside down portrait mode. |
| Multiple displays | Duplicates these displays | Reproduces the main display on the second display. |
| | Extend these displays | Extends the main display onto the secondary display. |
| | Show Desktop only on 1 | The desktop appears on the display marked 1. The display marked 2 becomes blank. |
| | Show Desktop only on 2 | The desktop appears on the display marked 2. The display marked 1 becomes blank. |

- It is also possible to use Windows Key + P to display a menu (and cycle through it) to switch mode.






### 8.2.2 DisplayLink Manager Menu

- From the taskbar, click the **Show hidden icons** arrow to show available icons.

- Click the DisplayLink icon . A menu appears with several options, as described in the following table.

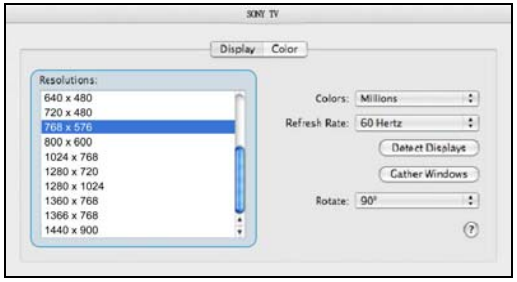
| Menu | Description |
|---|---|
| Check for updates | Connects to the Windows Update and checks for newer versions and downloads them, if available. |
| Optimize for Video | Select the option for better movie playback performance on the DisplayLink enabled displays. Only select the option when playing back video content. (Note: Text may appear less clear when enabled) |
| Advanced | Opens the Windows Display Properties (WDP). |

## 8.3 MAC OS

Select **Displays** from the **System Preferences** menu. This will open a Display Preferences window on each of your attached displays allowing you to configure each display as required.

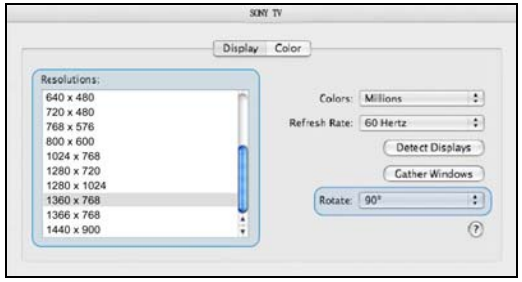
■ **Setting the Display Resolutions**

To change the display's resolution, select an available resolution from the Display Preferences window of the display you wish to change.




■ **Rotating a Display**

Use the Rotate drop down, and select the appropriate angle of rotation.

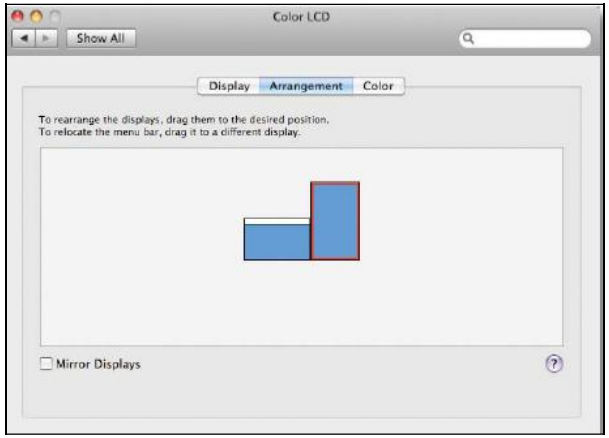





■ **Setting the Position Displays**

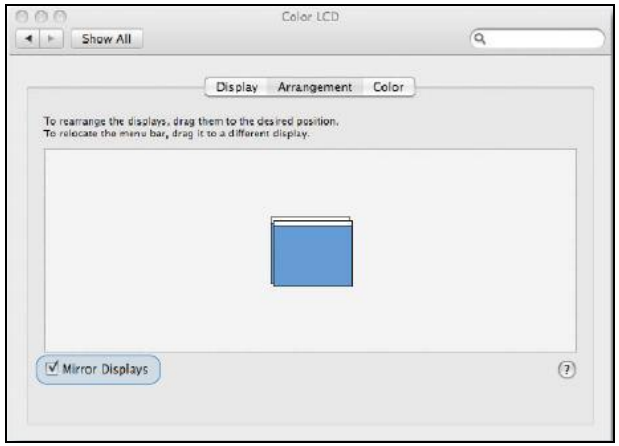
You can arrange your displays so that they match the physical layout of your displays by selecting the **Arrangement** pane within Display Preferences. This ensures that you can easily navigate between all connected displays.

To move the position of a display, click and hold the display you wish to move then drag it to the desired position. The display will be highlighted with a red border whilst you are moving the display to its new position.



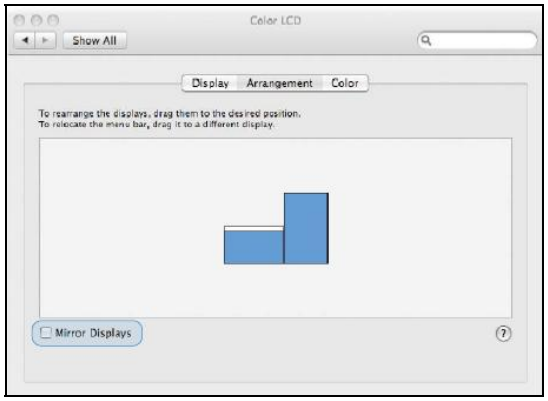

■ **Setting the Display to Mirror Mode**

When in Mirror mode, additional displays will display what is being shown on the primary display. Checking the **Mirror Display** on the **Arrangement** pane enables this feature.



■ **Setting the Display to Extend**

To extend connected displays, make sure that the **Mirror Display** on the **Arrangement** pane is unchecked.



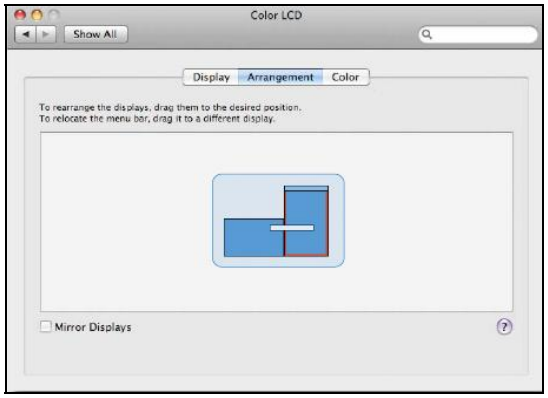

■ **Using both Extended and Mirrored Displays**

To work with both extended and mirrored displays, turn off mirroring than in the **Arrangement** pane press and hold **cmd** and **alt** and drag and drop the display you wish to mirror over the primary display.

Repeat this with each display you wish to mirror, those untouched will remain extending.

■ **Changing the Main Display**

You can change which is the main display by moving the **Menu Bar** between displays. Changing the main display affects where new windows appear and the position of the Dock. The **Menu Bar** can be moved so that is shown on an alternative display. Clicking the white menu bar and dragging it to the desired display will perform this action.






# 9. Troubleshooting

| Situation | Check Point |
|---|---|
| The device driver has been installed, but the Multi View Pro is not working | 1. Make sure you restart your computer after the driver installation.<br>2. Check all the connectors are plugged in correctly.<br>3. Make sure the USB port that you are using is USB 2.0.<br>4. Check the additional monitor is connected correctly and the power is on.<br>5. Make sure the operating system<br>The Multi View Pro is compatible with Windows 7 (32bit or 64bit), Vista (32bit or 64bit), XP (32bit) or Mac OS X Tiger 10.4.11/ Mac OS X Leopard 10.5.5 or above.<br>6. Try a different USB 2.0 or computer. |
| DVD player not working when move it over to the extended display | 1. Try to open the program in the additional display first before playing the DVD. |
| The mouse not move pass the right side of the screen as it should on extended desktop | 1. Check the display settings and make sure that your display number 2 is on the right side of display number 1. |

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